

Section VI
Budget – Daedalus Projects, Inc.



First Unitarian Society of Plainfield
Preservation Plan
Plainfield, NJ

February 24, 2008

Preservation Plan Estimate

Design Architects:

Historic Building Architects, LLC.

Cost Estimator:

Daedalus Projects Incorporated

112 South Street

Boston, MA 02111

(617) 451 2717

(617) 451 2679

Introduction

Project Description:

Exterior masonry stabilization and restoration including stone replacements, repairs, re-pointing and cleaning.
Stained glass window restoration and repair.
Roofing replacement including gutters and downspouts.
Code compliance upgrades.
Heating system replacement and repairs.

Project Particulars:

Draft Preservation Plan for First Unitarian Society of Plainfield; Sections III - V, and Appendixes D, E & F dated January 11, 2008 prepared by Historic Building Architects, LLC.
Draft Summary of Observations and Recommendations Regarding Structural Conditions of the First Unitarian Society of Plainfield Report dated January 25, 2008 prepared by Robert Silman Associates, PC.
Mechanical and Electrical Report dated February 19, 2008 prepared by Princeton Engineering Group.
Detailed quantity takeoff from these documents where possible.
Daedalus Projects, Inc. experience with similar projects of this nature.
Discussion and review with the Design Team.

Project Assumptions:

Project will be publicly bid.
Our costs assume that there will be competitive bidding in all trades and sub-trades i.e. at least three bids per trade
Unit rates are based on current dollars. An escalation allowance to mid-point of construction has been included in the unit rates.
The Total Construction Cost reflects the fair construction value of this project and should not be construed as the prediction of the lowest bid.
Design and Pricing Contingency markup is an allowance for unforeseen design issues, design detail development and specification clarifications.
General Conditions and Requirements value covers temporary staging and access, public safety measures, site supervision personnel, site office overhead, temporary heat and consumable utilities.
Overhead and profit markup is calculated on a percentage basis of direct construction costs. The value covers Contractor's insurances and profit.
Construction will be phased over many years. Escalation has been included at 5% per year. For items that are Immediate, escalation has been included at 5% reflecting 1 - 2 years out (2009). Mid-term items, included at 30% reflects 5 years out (2013). Long-term items, included at 65% reflects 10 years out (2018).

Introduction

Project Exclusions:

Construction Contingency.
City permitting and requirements.
Design fees and other soft costs.
Interest expense.
Owner's project administration.
Construction of temporary facilities.
Printing and advertising.
Specialties, loose furnishings, fixtures and equipment beyond what is noted.
Site or existing condition surveys and investigations.
Hazardous materials survey, report and removal.
Police details and street/sidewalk permits.
Geotechnical surveys.

Preservation Main Summary
\$1,530,951
\$784,001
\$1,206,590

26,135 SF

26,135 SF

26,135 SF

| ELEMENT | COST | | |
|--|--------------------|------------------|--------------------|
| | Immediate | Mid-term | Long Term |
| 01-GENERAL REQUIREMENTS | \$139,178 | \$71,500 | \$108,900 |
| <i>Exterior Restoration</i> | | | |
| 02-SITEWORK | \$126,775 | \$3,218 | \$47,916 |
| 03-CONCRETE | \$42,966 | \$8,494 | \$22,622 |
| 04-MASONRY | \$360,258 | \$35,607 | \$10,890 |
| 05-METALS | \$19,404 | \$51,480 | |
| 06-WOOD - ROUGH & FINISH CARPENTRY | \$95,517 | \$54,912 | \$58,370 |
| 07-THERMAL & MOISTURE PROTECTION | \$237,897 | \$321,927 | \$115,105 |
| 08-OPENINGS DOORS & WINDOWS | \$276,070 | \$34,083 | \$188,519 |
| 10-MISCELLANEOUS | \$47,263 | \$2,574 | \$8,712 |
| Exterior Restoration SubTotal (including all markups) | \$1,206,150 | \$512,295 | \$452,135 |
| <i>MEP Systems</i> | | | |
| 15-FIRE PROTECTION | | | \$87,987 |
| 15-PLUMBING | \$4,158 | \$26,426 | \$79,933 |
| 15-HVAC | \$23,354 | \$39,640 | \$352,400 |
| 16-ELECTRICAL | \$158,112 | \$134,140 | \$125,235 |
| MEP Systems SubTotal (including all markups) | \$185,624 | \$200,206 | \$645,555 |
| Estimate Construction Cost Total | \$1,530,951 | \$784,001 | \$1,206,590 |
| | | | |

Exterior Preservation Details

Details SubTotal

\$1,345,327

\$583,795

\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|------|--|----------|------|-------------|------------------|-----------------|------------------|
| | | | | | Immediate | Mid-term | Long Term |
| | 01-GENERAL REQUIREMENTS | | | | | | |
| | NJHT Project Sign - allowance provided | 1 | AL | \$500.00 | \$500 | | |
| | Overheads | | | | \$120,000 | \$50,000 | \$60,000 |
| | Profit on overheads | 10% | | | \$12,050 | \$5,000 | \$6,000 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$6,628 | | |
| | Mid-Term | 30% | | | | \$16,500 | |
| | Long Term | 65% | | | | | \$42,900 |
| | 01-GENERAL REQUIREMENTS TOTAL | | | | \$139,178 | \$71,500 | \$108,900 |
| | 02-SITEWORK | | | | | | |
| SW1 | Remove plant growth, cut back trees, remove tree stumps | 3 | LOC | \$1,000.00 | \$3,000 | | |
| SW2 | Remove plants and shrubs, Church East Elevation | 1 | LS | \$1,500.00 | \$1,500 | | |
| SW3 | Clean off biological growth; walls, and windows | 9,245 | SF | \$1.00 | \$9,245 | | |
| SW3 | Clean off biological growth; roof | 14,665 | SF | \$0.75 | \$10,999 | | |
| SW4 | Regrade to prevent water ponds | 6,195 | SF | \$5.00 | \$30,975 | | |
| SW5 | Test and repair below grade drains | 1 | LS | \$10,000.00 | \$10,000 | | |
| SW6 | Repair and make operational below grade perimeter foundation drains | 1 | AL | \$10,000.00 | \$10,000 | | |
| SW9 | Remove unstable Powell Terrace, masonry planter bed and entrance steps | 375 | SF | \$10.00 | \$3,750 | | |
| SW9 | Remove deteriorated brick walls and uneven slate, Stevens Wing terrace | 375 | SF | \$5.00 | | \$1,875 | |
| | Archaeology observation request by NJHT | 1 | AL | \$5,000.00 | \$5,000 | | |
| SW13 | Replace contemporary concrete sidewalks w/new slate | 1 | LS | \$20,000.00 | | | \$20,000 |
| SW14 | Remove wooden ramp and concrete foundations, North - Parish Hall | 1 | LS | \$2,000.00 | \$2,000 | | |

Exterior Preservation Details
Details SubTotal
\$1,345,327
\$583,795
\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|-----------|--|----------|------|------------|------------------|----------------|-----------------|
| | | | | | Immediate | Mid-term | Long Term |
| | Remove wooden stairway and concrete foundations, West - Parish Hall | 1 | LS | \$2,000.00 | | | \$2,000 |
| | New stampcrete path to lift entrance | 20 | LF | \$50.00 | \$1,000 | | |
| | New window well | 4 | LOC | \$1,000.00 | \$4,000 | | |
| | Install new below grade drain | 795 | LF | \$30.00 | Alternate | | |
| | Connection to City storm drain | 2 | LOC | \$2,500.00 | Alternate | | |
| | Subtotal | | | | \$91,469 | \$1,875 | \$22,000 |
| | Design and Pricing Contingency | 20% | | | \$18,294 | \$375 | \$4,400 |
| | Profit | 10% | | | \$10,976 | \$225 | \$2,640 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$6,037 | | |
| | Mid-Term | 30% | | | | \$743 | |
| | Long Term | 65% | | | | | \$18,876 |
| | 02-SITEWORK TOTAL | | | | \$126,775 | \$3,218 | \$47,916 |
| | 03-CONCRETE | | | | | | |
| CO2, MR's | Remove and repair stucco, Parish Hall - quantity provided | 300 | SF | \$16.50 | | \$4,950 | |
| CO2, MR's | Remove and repair stucco, Stevens Wing | 630 | SF | \$16.50 | | | \$10,387 |
| CO5 | Clean biological growth from terrace paving, Stevens Wing | 375 | SF | \$2.50 | NIC | | |
| | New footings for step entrance restoration - SW9 above | 50 | LF | \$75.00 | \$3,750 | | |
| | Repair steps and rebuild CMU walls, Basement areaway Stevens Wing | 1 | FLT | \$4,000.00 | \$4,000 | | |
| | Clean out debris. Replace existing basement rat slab under Church - excludes existing unexcavated area | 1,500 | SF | \$7.50 | \$11,250 | | |
| | New footing for sidewalls at North & East Porch Entrances | 2 | LOC | \$2,000.00 | \$4,000 | | |
| | New footing for lift in Library | 1 | LS | \$8,000.00 | \$8,000 | | |
| | Subtotal | | | | \$31,000 | \$4,950 | \$10,387 |

| Exterior Preservation Details | | | | Details SubTotal | \$1,345,327 | \$583,795 | \$561,035 |
|-------------------------------|---|----------|------|------------------|-------------|-----------|-----------|
| | | | | | 10,100 SF | 10,100 SF | 10,100 SF |
| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
| | | | | | Immediate | Mid-term | Long Term |
| | Design and Pricing Contingency | 20% | | | \$6,200 | \$990 | \$2,077 |
| | Profit | 10% | | | \$3,720 | \$594 | \$1,246 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$2,046 | | |
| | Mid-Term | 30% | | | | \$1,960 | |
| | Long Term | 65% | | | | | \$8,912 |
| | 03-CONCRETE TOTAL | | | | \$42,966 | \$8,494 | \$22,622 |
| | 04-MASONRY | | | | | | |
| BR2 | Clean biological growth from brick - included in Sec 02 | | | | | | |
| BR3 | Remove white efflorescence staining - 30" x 12" | 1 | LOC | \$150.00 | \$150 | | |
| BR5 | Remove tar from brick chimney, Parish Hall | 1 | LOC | \$250.00 | \$250 | | |
| ST3 | Remove tar from stone towers, Church | 4 | LOC | \$500.00 | | \$2,000 | |
| BR8 | Rebuilding and structural stabilization of arch above basement window | 1 | LOC | \$2,500.00 | \$2,500 | | |
| | Infill window W021 | 1 | LOC | \$2,000.00 | \$2,000 | | |
| BR8, BR9, | Rebuilding and structural stabilization of brick and stone; assumed 5% | 90 | SF | \$65.00 | \$5,845 | | |
| BR8, | Restore brick chimney, East - Stevens Room | 1 | LS | \$5,000.00 | | | \$5,000 |
| BR11 | New brick terrace walls, Stevens Wing | 60 | SF | \$60.00 | \$3,600 | | |
| | Bluestone terrace paving, Stevens Wing | 375 | SF | \$50.00 | | \$18,750 | |
| BR11 | Clean and rebuild brick piers and foundation wall below Church/Parish Hall in crawl space | 45 | LF | \$125.00 | \$5,625 | | |
| MR2 | Repoint exterior stone, Church - quantity provided | 2,500 | SF | \$30.00 | \$75,000 | | |
| MR3 | Repoint interior basement stone, Church - 70% allowance provided | 1,260 | SF | \$30.00 | \$37,791 | | |
| ST14 | Rebuild interior basement stone, Church - 30% allowance provided | 540 | SF | \$75.00 | \$40,501 | | |
| MR6, MR9 | Remove cracks and unstable stucco, verify structural stability, apply new stucco | 1 | LS | \$5,000.00 | \$5,000 | | |
| ST1 | Clean biological growth from stone - 75% allowance provided - included in Sec 02 | | | | | | |

Exterior Preservation Details
Details SubTotal
\$1,345,327
\$583,795
\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|------|---|----------|------|-------------|------------------|-----------------|-----------------|
| | | | | | Immediate | Mid-term | Long Term |
| ST5 | Clean paint drips from stone - 5% allowance provided | 125 | SF | \$2.50 | \$313 | | |
| ST6 | General cleaning all stone facades | 2,500 | SF | \$2.00 | \$5,000 | | |
| ST9 | Fill minor cracks w/injection repair grout, East Elevation - 20% allowance provided | 275 | SF | \$20.00 | \$5,493 | | |
| ST10 | Retool unstable stone, East Elevation - quantity provided | 850 | SF | \$45.00 | \$38,250 | | |
| ST12 | Reattach loose stone - 5% allowance provided | 44 | SF | \$60.00 | \$2,610 | | |
| ST15 | Rebuild stone steps, Southeast Entrance - Church | 1 | LS | \$10,000.00 | \$10,000 | | |
| ST15 | Rebuild stone knee wall, including shoring roof structure, North entrance - Church | 1 | LS | \$15,000.00 | \$15,000 | | |
| | New lift masonry walls | 1 | LS | \$5,000.00 | \$5,000 | | |
| | Subtotal | | | | \$259,926 | \$20,750 | \$5,000 |
| | Design and Pricing Contingency | 20% | | | \$51,985 | \$4,150 | \$1,000 |
| | Profit | 10% | | | \$31,191 | \$2,490 | \$600 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$17,155 | | |
| | Mid-Term | 30% | | | | \$8,217 | |
| | Long Term | 65% | | | | | \$4,290 |
| | 04-MASONRY TOTAL | | | | \$360,258 | \$35,607 | \$10,890 |
| | 05-METALS | | | | | | |
| MT2 | Replace metal rails, North & East Entrances - Church | 20 | LF | \$75.00 | \$1,500 | | |
| MT7 | Replace missing finials to match existing | 6 | EA | \$5,000.00 | | \$30,000 | |
| MT8 | New light well protective grilles | 250 | SF | \$50.00 | \$12,500 | | |
| | Subtotal | | | | \$14,000 | \$30,000 | |

Exterior Preservation Details
Details SubTotal
\$1,345,327
\$583,795
\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|----------|--|----------|------|-------------|-----------------|-----------------|-----------|
| | | | | | Immediate | Mid-term | Long Term |
| | Design and Pricing Contingency | 20% | | | \$2,800 | \$6,000 | |
| | Profit | 10% | | | \$1,680 | \$3,600 | |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$924 | | |
| | Mid-Term | 30% | | | | \$11,880 | |
| | Long Term | 65% | | | | | |
| | 05-METALS TOTAL | | | | \$19,404 | \$51,480 | |
| | 06-WOOD - ROUGH & FINISH CARPENTRY | | | | | | |
| WT2 | Strip paint, sand and repaint trim - based on wall area | 1,015 | SF | \$1.25 | \$1,268 | | |
| WT2 | Strip paint, sand and repaint trim | 3,120 | SF | \$1.25 | | \$3,900 | |
| WT2 | Strip paint, sand and repaint trim | 3,120 | SF | \$1.25 | | | \$3,900 |
| WT5, WT6 | Clean, strip paint, prime and paint all woodwork, Parish Hall | 3,120 | SF | \$5.00 | | \$15,600 | |
| WT5, WT6 | Clean, strip paint, prime and paint all woodwork, Stevens Wing | 2,080 | SF | \$5.00 | | | \$10,400 |
| WT11 | Exterminate vermin in attic space | 4 | DAY | \$500.00 | \$2,000 | | |
| WT11 | Repair openings created by vermin in roof eaves and gable ends including repair/replacement of rotten/missing wood | 1 | LS | \$10,000.00 | \$10,000 | | |
| WT12 | Repair structural framing where it pockets into basement walls | 4 | LOC | \$1,500.00 | \$6,000 | | |
| WT12 | Replace rotten sill plate at South wall of Parish Hall | 60 | LF | \$25.00 | \$1,500 | | |
| WT12 | Replace/sister floor joist at South wall of Parish Hall | 1,010 | SF | \$15.00 | \$15,147 | | |
| WT12 | Replace rotten wood; trim, cornice and fascia to match existing - 30% allowance provided | 1 | LS | \$10,000.00 | \$10,000 | \$10,000 | \$10,000 |
| WT12 | Rebuild wood piers, North entrance - Church | 2 | EA | \$2,500.00 | \$5,000 | | |
| WT13 | Consolidate or replace cracked or split wood shingle | 1 | LS | \$2,500.00 | | \$2,500 | \$2,500 |
| WT14 | Replace missing or detached wood trim; cornice, corner post trim, window trim | 1 | LS | \$5,000.00 | \$5,000 | | |

Exterior Preservation Details
Details SubTotal
\$1,345,327
\$583,795
\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|---------------|--|----------|------|------------|-----------------|-----------------|-----------------|
| | | | | | Immediate | Mid-term | Long Term |
| | Install new wood handrail and balustrade at Parish Hall Entrance | 1 | LS | \$5,000.00 | \$5,000 | | |
| | Custom wood finishing at new lift | 1 | LS | \$8,000.00 | \$8,000 | | |
| | Subtotal | | | | \$68,915 | \$32,000 | \$26,800 |
| | Design and Pricing Contingency | 20% | | | \$13,783 | \$6,400 | \$5,360 |
| | Profit | 10% | | | \$8,270 | \$3,840 | \$3,216 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$4,548 | | |
| | Mid-Term | 30% | | | | \$12,672 | |
| | Long Term | 65% | | | | | \$22,994 |
| | 06-WOOD - ROUGH & FINISH CARPENTRY TOTAL | | | | \$95,517 | \$54,912 | \$58,370 |
| | 07-THERMAL & MOISTURE PROTECTION | | | | | | |
| R2 | Remove tar, caulking and flashing. Replace w/new LCC, Church | 3,345 | SF | \$7.50 | | \$25,088 | |
| R2 | Remove tar, caulking and flashing. Replace w/new LCC, Parish Hall | 3,868 | SF | \$7.50 | \$29,010 | | |
| R7, R8 | Replace contemporary asphalt shingle roofing w/new slate at Church | 2,565 | SF | \$46.50 | | \$119,273 | |
| R4, R9 | Remove and replace EPDM roofing, South - Parish Hall | 900 | SF | \$15.00 | \$13,500 | | |
| R11, R13 | Remove (2) roofing system layers and replace w/new LCC standing seam metal roofing, Church side aisles only | 1,303 | SF | \$30.00 | | \$39,083 | |
| R11, R13 | Remove and replace LCC flat pan roofing, Parish Hall dormers | 75 | SF | \$30.00 | \$2,250 | | |
| R17-20 | Remove and replace slate roofing, Parish Hall | 2,370 | SF | \$47.25 | \$111,983 | | |
| | Remove and replace slate dormer cheek walls, Church | 80 | SF | \$52.00 | | \$4,160 | |
| FL6, FL3, FL4 | Remove and replace all gutters and downspouts, connect to new below grade storm drain | 670 | LF | \$20.00 | \$13,400 | | |
| FL6 | Replace flashings at all roof penetrations, Parish Hall | 1 | LS | \$1,500.00 | \$1,500 | | |
| FL7 | Remove flashings and replace w/new LCC; window sill, roof/dormer junction, valleys, roof/chimneys - included in R2 | | | | | | |

Exterior Preservation Details
Details SubTotal
\$1,345,327
\$583,795
\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|------|---|----------|------|------------|------------------|------------------|------------------|
| | | | | | Immediate | Mid-term | Long Term |
| | New asphalt roofing, Stevens Wing | 5,285 | SF | \$10.00 | | | \$52,849 |
| | Subtotal | | | | \$171,643 | \$187,603 | \$52,849 |
| | Design and Pricing Contingency | 20% | | | \$34,329 | \$37,521 | \$10,570 |
| | Profit | 10% | | | \$20,597 | \$22,512 | \$6,342 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$11,328 | | |
| | Mid-Term | 30% | | | | \$74,291 | |
| | Long Term | 65% | | | | | \$45,344 |
| | 07-THERMAL & MOISTURE PROTECTION TOTAL | | | | \$237,897 | \$321,927 | \$115,105 |
| | 08-OPENINGS DOORS & WINDOWS | | | | | | |
| WD8 | Replace rotten basement window - Stevens Room | 2 | EA | \$1,500.00 | \$3,000 | | |
| WD8 | Replace Church basement window w/new, install new ss screen | 5 | EA | \$1,500.00 | \$7,500 | | |
| WD7 | Restore wood window frame for stained glass window, strip, prime and paint | 7 | EA | \$1,000.00 | \$7,000 | | |
| WD7 | Double hung and casement window to be restored (W140, W148 and 3 roof dormers), Parish Hall | 5 | EA | \$1,000.00 | | \$5,000 | |
| | Convert W114 into lift access door at Parish Hall Library | 1 | EA | \$3,000.00 | \$3,000 | | |
| WD2 | Strip, prime and paint windows with minor repairs, Parish Hall | 11 | EA | \$500.00 | | \$5,500 | |
| WD16 | Remove metal grate on window | 4 | EA | \$250.00 | \$1,000 | | |
| WD18 | Remove Plexiglas protective glazing at all windows | 14 | EA | \$250.00 | \$3,500 | | |
| WD18 | Remove Plexiglas over contemporary window, Stevens Wing | 4 | EA | \$250.00 | \$1,000 | | |
| | New leaded glass windows to replace W103, W104 & W105 | 3 | EA | \$5,000.00 | | | \$15,000 |
| WD2 | Minor glass pane repair at basement window, Stevens Wing | 6 | EA | \$200.00 | | | \$1,200 |
| WD2 | Restore prime and paint at basement window, Stevens Wing | 6 | EA | \$250.00 | \$1,500 | | |
| WD5 | Replace rotten window sill, Stevens Wing | 3 | EA | \$500.00 | \$1,500 | | |

Exterior Preservation Details
Details SubTotal
\$1,345,327
\$583,795
\$561,035

10,100 SF

10,100 SF

10,100 SF

| CODE | ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|------|---|----------|------|-------------|------------------|-----------------|------------------|
| | | | | | Immediate | Mid-term | Long Term |
| | Replace door, Parish Hall West Elevation | 2 | LEAF | \$3,500.00 | \$7,000 | | |
| | Stained glass and leaded windows - Budgets provided by Femenella & Associates | 1 | AL | | \$156,185 | \$9,362 | \$44,505 |
| | New protective glazing (not recommended by Consultants) | 1 | AL | \$25,851.00 | | | \$25,851 |
| | Remove and replace flat roof skylight | 1 | EA | \$3,000.00 | \$3,000 | | |
| | New door for lift access w/hardware | 1 | LS | \$4,000.00 | \$4,000 | | |
| | Subtotal | | | | \$199,185 | \$19,862 | \$86,556 |
| | Design and Pricing Contingency | 20% | | | \$39,837 | \$3,972 | \$17,311 |
| | Profit | 10% | | | \$23,902 | \$2,383 | \$10,387 |
| | Escalation Allowances for Phasing | | | | | | |
| | Immediate | 5% | | | \$13,146 | | |
| | Mid-Term | 30% | | | | \$7,865 | |
| | Long Term | 65% | | | | | \$74,265 |
| | 08-OPENINGS DOORS & WINDOWS TOTAL | | | | \$276,070 | \$34,083 | \$188,519 |
| | 10-MISCELLANEOUS | | | | | | |
| MS1 | Remove surface mounted conduit and repair wood behind | 1 | LS | \$1,500.00 | | \$1,500 | \$1,500 |
| MS2 | Remove surface mounted contemporary fixture and replace w/historic replica | 1 | LS | \$2,500.00 | | | \$2,500 |
| MS3 | Remove surface mounted attachments and repair wood/stone behind | 1 | LS | \$2,000.00 | \$2,000 | | |
| | NJHT Marker - allowance provided | 1 | AL | \$100.00 | \$100 | | |
| | Vertical access lift equipment and installation | 1 | LS | \$32,000.00 | \$32,000 | | |
| | Subtotal | | | | \$34,100 | \$1,500 | \$4,000 |

[illegible]

MEP Systems Details

Details SubTotal

\$185,624

\$200,206

\$645,555

10,100 SF

10,100 SF

10,100 SF

| ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|-----------------------------------|----------|------|------------|-----------|----------|-----------------|
| | | | | Immediate | Mid-term | Long Term |
| 15-FIRE PROTECTION | | | | | | |
| New sprinkler system | 10,100 | GSF | \$4.00 | | | \$40,398 |
| Subtotal | | | | | | \$40,398 |
| Design and Pricing Contingency | 20% | | | | | \$8,080 |
| Profit | 10% | | | | | \$4,848 |
| Escalation Allowances for Phasing | | | | | | |
| Immediate | 5% | | | | | |
| Mid-Term | 30% | | | | | |
| Long Term | 65% | | | | | \$34,662 |
| 15-FIRE PROTECTION TOTAL | | | | | | \$87,987 |
| 15-PLUMBING | | | | | | |
| Replace existing Sump Pump | 1 | LS | \$1,000.00 | \$1,000 | | |
| Water Closet; repairs | 1 | AL | \$2,000.00 | \$2,000 | | |
| Water Closet (new) | 8 | EA | \$2,000.00 | | | \$16,000 |
| Valves & Specialties | 1 | LS | \$500.00 | | | \$500 |
| Permits & Fees | 1 | LS | \$700.00 | | | \$700 |
| Testing & sterilize | 1 | LS | \$900.00 | | | \$900 |
| Shop Drawings | 1 | LS | \$1,000.00 | | | \$1,000 |
| Replace Trap | 1 | LS | \$7,500.00 | | \$7,500 | |
| Grease Interceptor | 1 | LS | \$5,000.00 | | \$5,000 | |
| Valves & Specialties | 1 | LS | \$500.00 | | \$500 | |
| Permits & Fees | 1 | LS | \$700.00 | | \$700 | |
| Testing & sterilize | 1 | LS | \$1,200.00 | | \$1,200 | |
| Shop Drawings | 1 | LS | \$500.00 | | \$500 | |

MEP Systems Details

Details SubTotal

\$185,624

\$200,206

\$645,555

10,100 SF

10,100 SF

10,100 SF

| ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|-----------------------------------|----------|------|------------|----------------|-----------------|-----------------|
| | | | | Immediate | Mid-term | Long Term |
| Domestic Cold Water | 1 | LS | \$5,000.00 | | | \$5,000 |
| 2" Water Service w/ meter | 1 | LS | \$5,000.00 | | | \$5,000 |
| Gas (modifications) | 1 | LS | \$2,500.00 | | | \$2,500 |
| Demolition | 1 | LS | \$1,250.00 | | | \$1,250 |
| Valves & Specialties | 1 | LS | \$500.00 | | | \$500 |
| Permits & Fees | 1 | LS | \$850.00 | | | \$850 |
| Testing & sterilize | 1 | LS | \$1,000.00 | | | \$1,000 |
| Shop Drawings | 1 | LS | \$1,500.00 | | | \$1,500 |
| Subtotal | | | | \$3,000 | \$15,400 | \$36,700 |
| Design and Pricing Contingency | 20% | | | \$600 | \$3,080 | \$7,340 |
| Profit | 10% | | | \$360 | \$1,848 | \$4,404 |
| Escalation Allowances for Phasing | | | | | | |
| Immediate | 5% | | | \$198 | | |
| Mid-Term | 30% | | | | \$6,098 | |
| Long Term | 65% | | | | | \$31,489 |
| 15-PLUMBING TOTAL | | | | \$4,158 | \$26,426 | \$79,933 |

MEP Systems Details
Details SubTotal
\$185,624
\$200,206
\$645,555

10,100 SF

10,100 SF

10,100 SF

| ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|--|----------|------|-------------|-----------------|-----------------|------------------|
| | | | | Immediate | Mid-term | Long Term |
| 15-HVAC | | | | | | |
| Combustion Air Supply | 1 | LS | \$3,000.00 | \$3,000 | | |
| Forced Air Heater for vestibule | 1 | LS | \$5,000.00 | \$5,000 | | |
| Controls for classrooms | 1 | LS | \$2,600.00 | \$2,600 | | |
| Rotate registers in Parish Hall | 1 | LS | \$2,000.00 | \$2,000 | | |
| Valves & Specialties | 1 | LS | \$350.00 | \$350 | | |
| Permits & Fees | 1 | LS | \$400.00 | \$400 | | |
| Demolition | 1 | LS | \$1,500.00 | \$1,500 | | |
| Testing & Balancing | 1 | LS | \$500.00 | \$500 | | |
| Shop Drawings | 1 | LS | \$1,500.00 | \$1,500 | | |
| New Split ducted System (Ministers office) | 2 | EA | \$5,000.00 | | \$10,000 | |
| New cooling unit | 2 | EA | \$5,000.00 | | \$10,000 | |
| Valves & Specialties | 2 | LS | \$200.00 | | \$400 | |
| Permits & Fees | 2 | LS | \$250.00 | | \$500 | |
| Demolition | 2 | LS | \$200.00 | | \$400 | |
| Testing & Balancing | 2 | LS | \$400.00 | | \$800 | |
| Shop Drawings | 2 | LS | \$500.00 | | \$1,000 | |
| New Split ducted System (classroom) | 5 | EA | \$12,250.00 | | | \$61,250 |
| Valves & Specialties | 1 | LS | \$800.00 | | | \$800 |
| Permits & Fees | 1 | LS | \$500.00 | | | \$500 |
| Demolition | 1 | LS | \$1,000.00 | | | \$1,000 |
| Control System | 1 | LS | \$82,500.00 | | | \$82,500 |
| Testing & Balancing | 1 | LS | \$750.00 | | | \$750 |
| Shop Drawings | 1 | LS | \$15,000.00 | | | \$15,000 |
| Subtotal | | | | \$16,850 | \$23,100 | \$161,800 |

MEP Systems Details
Details SubTotal
\$185,624
\$200,206
\$645,555

10,100 SF

10,100 SF

10,100 SF

| ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|--|----------|------|-------------|-----------------|-----------------|------------------|
| | | | | Immediate | Mid-term | Long Term |
| Design and Pricing Contingency | 20% | | | \$3,370 | \$4,620 | \$32,360 |
| Profit | 10% | | | \$2,022 | \$2,772 | \$19,416 |
| Escalation Allowances for Phasing | | | | | | |
| Immediate | 5% | | | \$1,112 | | |
| Mid-Term | 30% | | | | \$9,148 | |
| Long Term | 65% | | | | | \$138,824 |
| 15-HVAC TOTAL | | | | \$23,354 | \$39,640 | \$352,400 |
| 16-ELECTRICAL | | | | | | |
| <i>Interior Electrical</i> | | | | | | |
| <i>Demolition</i> | | | | | | |
| Demolition work | 1 | LS | \$5,000.00 | \$5,000 | | |
| <i>Lighting & Branch Power</i> | | | | | | |
| Replace lighting fixtures | | | | | | |
| Basement lighting | 2,500 | SF | \$2.00 | \$5,000 | | |
| 1st floor lighting | 5,025 | SF | \$4.00 | \$20,100 | | |
| Parish Hall lighting | 5,630 | SF | \$4.00 | \$22,520 | | |
| Replace emergency lighting | 13,155 | SF | \$0.40 | \$5,262 | | |
| Replace stage lighting in community room | 1 | LS | \$7,500.00 | \$7,500 | | |
| Replace all duplex receptacles | 13,155 | SF | \$0.30 | \$3,947 | | |
| LV wiring to be concealed in surface raceway or conduits | 1 | LS | \$15,000.00 | \$15,000 | | |
| New lift service | 1 | LS | \$5,000.00 | \$5,000 | | |
| <i>Fire alarm</i> | | | | | | |
| New fire alarm system and wiring | 10,100 | SF | \$1.50 | \$15,149 | | |

MEP Systems Details
Details SubTotal
\$185,624
\$200,206
\$645,555

10,100 SF

10,100 SF

10,100 SF

| ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|--|----------|------|-------------|-----------|----------|-----------|
| | | | | Immediate | Mid-term | Long Term |
| <i>Telecommunication</i> | | | | | | |
| Rough-in | | | | NIC | | |
| Devices and cabling | | | | NIC | | |
| <i>Sound System</i> | | | | | | |
| Sound System | | | | NIC | | |
| <i>Security System</i> | | | | | | |
| Security system (Rough-in only) | | | | NIC | | |
| <i>Reimbursable</i> | | | | | | |
| Temp power & lights | 1 | LS | \$8,000.00 | \$8,000 | | |
| Fees & Permits | 1 | LS | \$1,600.00 | \$1,600 | | |
| <i>Mid-Term Phase</i> | | | | | | |
| <i>Demolition</i> | | | | | | |
| Demolition work | 1 | LS | \$3,500.00 | | \$3,500 | |
| <i>Lighting & Branch Power</i> | | | | | | |
| Replace Stevens wing lighting fixtures | 5,630 | SF | \$4.00 | | \$22,520 | |
| Replace emergency lighting | 5,630 | SF | \$0.40 | | \$2,252 | |
| Replace all wiring in the building | 10,100 | SF | \$4.00 | | \$40,398 | |
| <i>Reimbursable</i> | | | | | | |
| Temp power & lights | 1 | LS | \$8,000.00 | | \$8,000 | |
| Fees & Permits | 1 | LS | \$1,500.00 | | \$1,500 | |
| <i>Long Term Phase</i> | | | | | | |
| <i>Demolition</i> | | | | | | |
| Demolition work | 1 | LS | \$3,500.00 | | | \$3,500 |
| <i>Gear & Distribution</i> | | | | | | |
| Replace main electrical service, feeders and panelboards required for proposed A/C | 1 | LS | \$45,000.00 | | | \$45,000 |

MEP Systems Details

Details SubTotal

\$185,624

\$200,206

\$645,555

10,100 SF

10,100 SF

10,100 SF

| ELEMENT | QUANTITY | UNIT | UNIT RATE | COST | | |
|---|----------|------|------------|------------------|------------------|------------------|
| | | | | Immediate | Mid-term | Long Term |
| <i>Reimbursable</i> | | | | | | |
| Fees & Permits | 1 | LS | \$1,000.00 | | | \$1,000 |
| Temp power & lights | 1 | LS | \$8,000.00 | | | \$8,000 |
| Subtotal | | | | \$114,078 | \$78,170 | \$57,500 |
| Design and Pricing Contingency | 20% | | | \$22,816 | \$15,634 | \$11,500 |
| Profit | 10% | | | \$13,689 | \$9,380 | \$6,900 |
| Escalation Allowances for Phasing | | | | | | |
| Immediate | 5% | | | \$7,529 | | |
| Mid-Term | 30% | | | | \$30,955 | |
| Long Term | 65% | | | | | \$49,335 |
| 16-ELECTRICAL TOTAL | | | | \$158,112 | \$134,140 | \$125,235 |
| | | | | | | |
| Estimate Construction Cost Total | | | | \$185,624 | \$200,206 | \$645,555 |
| | | | | | | |